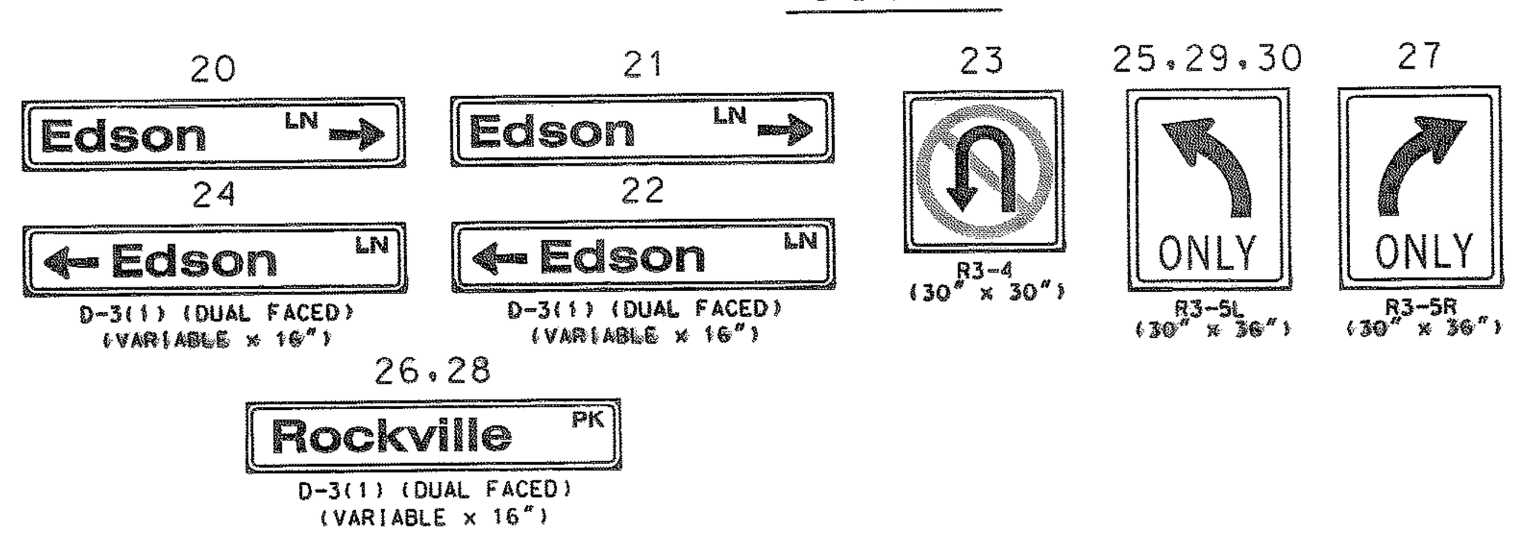
ND 355 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED SIGNS

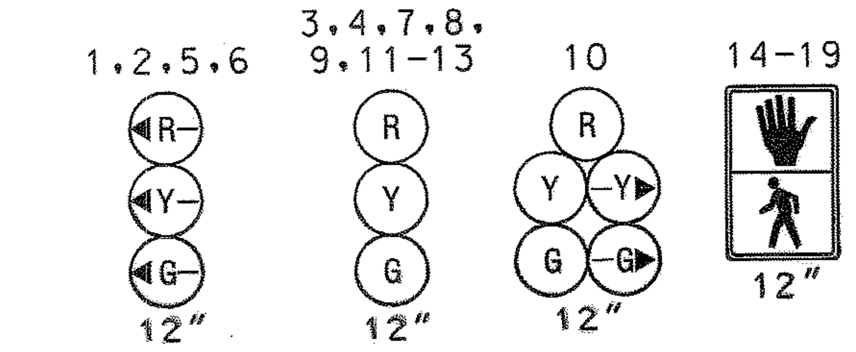


PROPOSED VIDEO DETECTION CAMERA

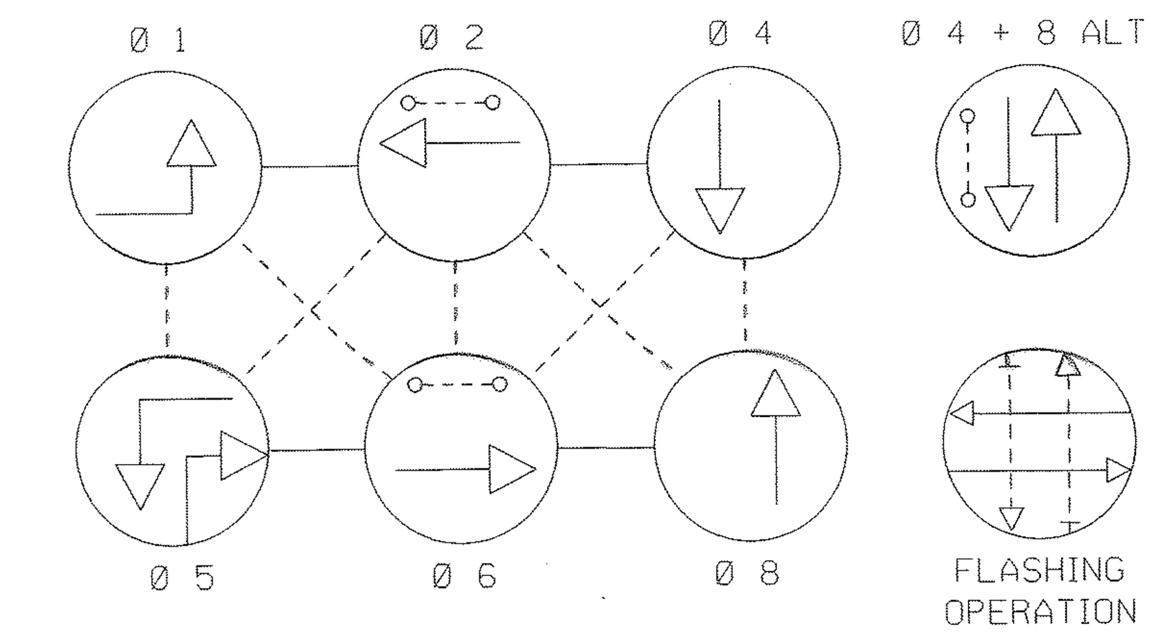
A,B,C,D

VIDEO DETECTION ZONE

PROPOSED SIGNAL HEADS



NEMA PHASING



PHASING NOTES:

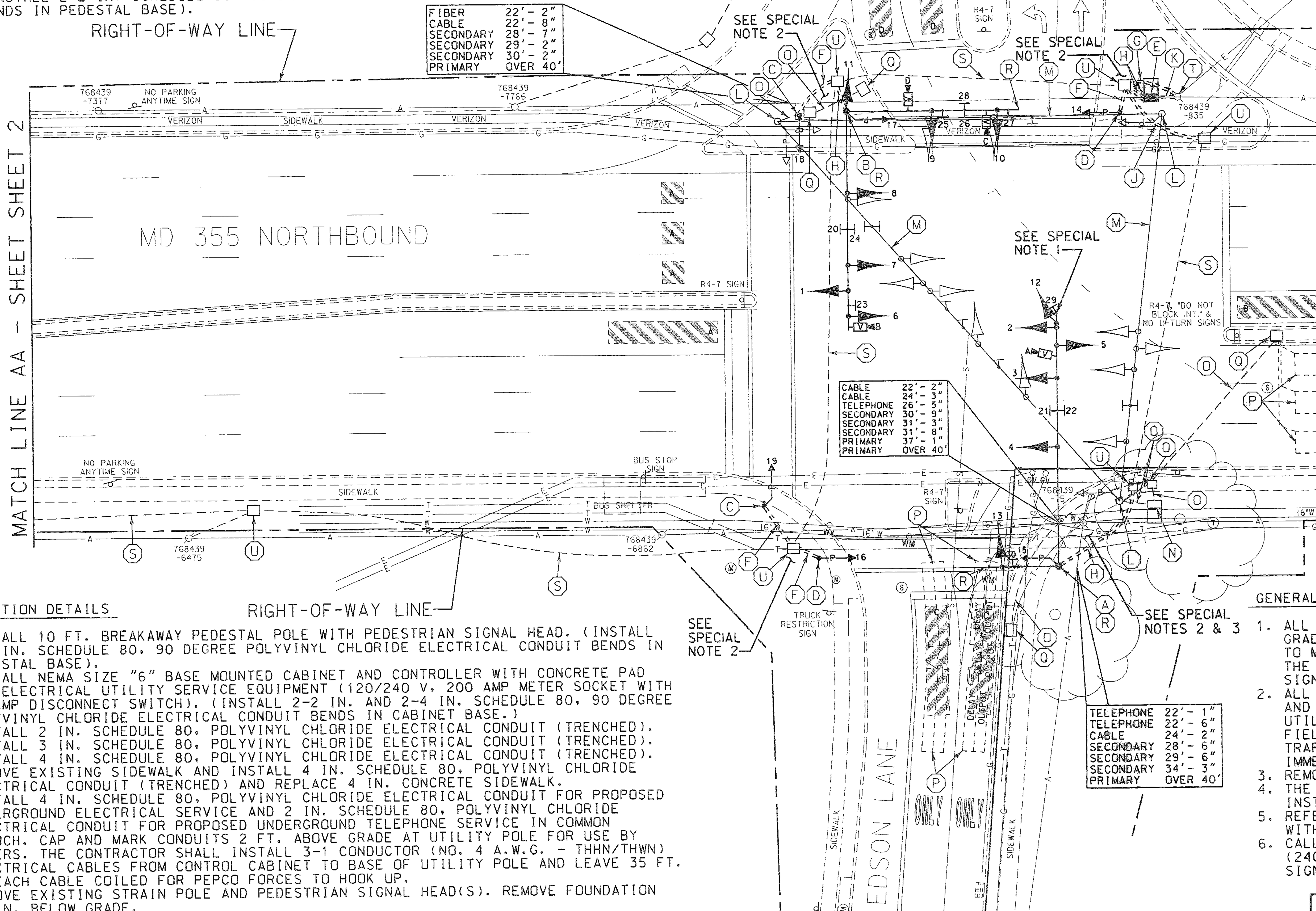
1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

SPECIAL NOTES:

1. THE CONTRACTOR SHALL NOT BLOCK VIEW OF EXISTING SIGNAL INDICATIONS DURING INSTALLATION OF MAST ARM. IF NEW MAST ARM CANNOT BE INSTALLED DUE TO CONFLICT WITH EXISTING SIGNAL INDICATIONS OR SPAN WIRES, A SIGNAL OUTAGE SHALL OCCUR DURING NON-PEAK HOURS AS DIRECTED BY THE ENGINEER.
2. CONTRACTOR SHALL USE CAUTION WHEN INSTALLING SIGNAL EQUIPMENT TO AVOID DISTURBANCE OF EXISTING UNDERGROUND UTILITIES. CONTRACTOR SHALL TEST PIT TO DETERMINE EXACT LOCATION AND DEPTH OF UNDERGROUND UTILITIES PRIOR TO INSTALLING SIGNAL EQUIPMENT.
3. SELECTIVE TREE TRIMMING WILL BE REQUIRED FOR INSTALLATION OF TRAFFIC SIGNAL EQUIPMENT.

CONSTRUCTION DETAILS

A. INSTALL 27 FT. (CUT TO 21 FT.) STEEL POLE WITH A TWIN 50 FT. (CUT TO 20 FT./70 FT. MAST ARMS, TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL HEAD, SIGNS AND VIDEO DETECTION CAMERA MOUNTED ON MAST ARM. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE).
B. INSTALL 27 FT. (CUT TO 21 FT.) STEEL POLE WITH A TWIN 50 FT. (CUT TO 47 FT./60 FT. MAST ARMS, TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL HEAD, SIGNS AND VIDEO DETECTION CAMERAS MOUNTED ON MAST ARM. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE).
C. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEAD AND PUSHBUTTON AND R10-4(1) SIGN TO READ "PUSH BUTTON TO CROSS ROCKVILLE PIKE". (INSTALL 2-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).



FIBER	22'- 2"
CABLE	22'- 8"
SECONDARY	28'- 7"
SECONDARY	29'- 2"
SECONDARY	30'- 2"
PRIMARY	OVER 40'

CABLE	22'- 2"
CABLE	24'- 3"
TELEPHONE	26'- 5"
SECONDARY	30'- 9"
SECONDARY	31'- 3"
SECONDARY	31'- 8"
PRIMARY	37'- 1"
PRIMARY	OVER 40'

TELEPHONE	22'- 1"
TELEPHONE	22'- 6"
CABLE	24'- 2"
SECONDARY	28'- 6"
SECONDARY	29'- 6"
SECONDARY	34'- 3"
PRIMARY	OVER 40'

NO PARKING ANYTIME SIGN

NO PARKING ANYTIME SIGN — SPEED LIMIT 40 SIGN

RIGHT-OF-WAY LINE

CONSTRUCTION DETAILS

D. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEAD. (INSTALL 2-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).
E. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH CONCRETE PAD AND ELECTRICAL UTILITY SERVICE EQUIPMENT (120/240 V, 200 AMP METER SOCKET WITH 60 AMP DISCONNECT SWITCH). (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN CABINET BASE.)
F. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
G. INSTALL 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
H. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
J. REMOVE EXISTING SIDEWALK AND INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) AND REPLACE 4 IN. CONCRETE SIDEWALK.
K. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE AND 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT FOR PROPOSED UNDERGROUND TELEPHONE SERVICE IN COMMON TRENCH. CAP AND MARK CONDUITS 2 FT. ABOVE GRADE AT UTILITY POLE FOR USE BY OTHERS. THE CONTRACTOR SHALL INSTALL 3-1 CONDUCTOR (NO. 4 A.W.G. - THHN/THWN) ELECTRICAL CABLES FROM CONTROL CABINET TO BASE OF UTILITY POLE AND LEAVE 35 FT. OF EACH CABLE COILED FOR PEPCO FORCES TO HOOK UP.
L. REMOVE EXISTING STRAIN POLE AND PEDESTRIAN SIGNAL HEAD(S). REMOVE FOUNDATION 12 IN. BELOW GRADE.
M. REMOVE EXISTING SPAN WIRE, SIGNAL HEADS AND SIGNS.
N. REMOVE EXISTING BASE MOUNTED CABINET AND CONTROLLER. REMOVE FOUNDATION 12 IN. BELOW GRADE. MONTGOMERY COUNTY SIGNAL SHOP SHALL BE NOTIFIED TO REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CABINET.
O. CAP AND ABANDON EXISTING CONDUIT.
P. ABANDON EXISTING LOOP DETECTOR.
Q. REMOVE EXISTING HANDHOLE.
R. CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.
S. USE EXISTING CONDUIT.
T. USE EXISTING WOOD UTILITY POLE AND INSTALL 3 IN. ELECTRICAL CONDUIT - GALVANIZED RISER FOR EXISTING UNDERGROUND INTERCONNECT CABLE. PULL BACK EXISTING INTERCONNECT CABLE HEADING SOUTH AND RE-FEED IN RISER AND CONDUIT TO NEW BASE MOUNTED CABINET. (SEE WIRING DIAGRAM FOR ADDITIONAL INTERCONNECT DETAILS)
U. USE EXISTING HANDHOLE.

GENERAL NOTES

1. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCE AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
3. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
4. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING SIDEWALKS CAUSED BY THE INSTALLATION OF SIGNAL EQUIPMENT.
5. REFER TO SHEET 2 FOR DIMENSIONS OF SIGNAL EQUIPMENT AND PAVEMENT MARKINGS WITHIN INTERSECTION.
6. CALL MONTGOMERY COUNTY TRANSPORTATION MANAGEMENT CENTER (TMC) AT (240) 777-2100 72 HOURS PRIOR TO ANY DIGGING TO MARK THE EXISTING TRAFFIC SIGNAL EQUIPMENT.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	SS
STORM DRAIN	SD
WATER	W
CABLE TV	TV

WR&A

Whitman, Requardt and Associates, LLP

801 South Caroline Street
Baltimore, Maryland 21231
(410) 235-3450

REVISIONS

(A) REBUILD TRAFFIC SIGNAL CONTRACT NO. AT3565185 — 9/8/04

SRB | NML

APPROVALS

ORIGINAL ON FILE

TEAM LEADER - TRAFFIC ENGINEERING DESIGN DIVISION

ASST. TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNALIZATION PLAN

MD 355 AND EDSON LN/WHITE FLINT MALL ENT.

SHA#: MO350A5A/B5A TOD#: AT356-18

DRAWN BY:		F.A.P. NO.	AC-STP6-0005(934)E	TS NO. 4364A	SHEET NO.
CHECKED BY:		S.H.A. NO.	AT3565185		
SCALE:	1" = 20'	COUNTY:	MONTGOMERY	T.I.M.S. NO. G542	1 OF 3
DATE:		LOG MILE:	150355 0568		

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